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Notice of Allowability

Application No.

09/544,314

Examiner

Diem K. Cao

Applicant(s)

BASSO ET AL.

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief filed on 4/12/2005.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☒ The drawings filed on 10 July 2003 and 07 June 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20050412.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

THOMAS LEE

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Andrew Calderon (Reg. No. 38,093) on July 17 2005.

2. The application has been amended as follows:

Claim 1: (Amended) A method of inter process communication (IPC) between processors in a network processing environment having a data path and a control path for connecting said processors, said inter process communication comprising the steps of:

a) providing software enabled functions that open and close inter process communication paths for transmitting and receiving of inter process communication frames;

b) providing software enabled functions that allow said inter process communication frames to be stacklessly transmitted to one or several processors in said network processing environment, wherein said network processing environment has at least two components; and

c) upon calling an open software transmit/receive IPC path function, selecting by software either data or control path in said network processing environment to transmit or receive said inter process communication frames,

wherein an interface between said two components of the network processing environment can be called synchronously from each of the two components to allow the inter process communication frames to be transmitted stacklessly.

~~wherein the inter-process communication frames are transmitted and received simultaneously and include guided frames.~~

Claim 5 (Amended) An inter process communication (IPC) system providing communication between processors in a network processing environment having a data path and a control path for connecting said processors, said inter process communication comprising:

a) software enabled functions that open and close inter process communication paths for transmitting and receiving of inter process communication frames;

b) software enabled functions that allow said inter process communication frames to be stacklessly transmitted to one or several processors in said network processing environment, wherein said network processing environment has at least two components;
and

c) means for selecting by software either data or control path in said network processing environment to transmit or receive said inter process communication frames in response to calling an open software transmit/receive IPC path function,

~~wherein the inter-process communication frames are transmitted and received simultaneously and include guided frames~~

wherein an interface between said two components of the network processing environment can be called synchronously from each of the two components to allow the inter process communication frames to be transmitted stacklessly.

Claim 13: (Amended) A method of inter process communication (IPC) between processors in a network processing environment having a data path and a control path for connecting said processors, said inter process communication comprising the steps of:

a) providing software enabled functions that open and close inter process communication paths for transmitting and receiving of inter process communication frames;

b) providing software enabled functions that allow said inter process communication frames to be stacklessly transmitted to one or several processors in said network processing environment, wherein said network processing environment has at least two components; and

c) upon calling an open software transmit/receive IPC path function, selecting by software either data or control path in said network processing environment to transmit or receive said inter process communication frames,

~~wherein the transmitting and receiving of said inter process communication frames occurs synchronously~~

wherein an interface between said two components of the network processing environment can be called synchronously from each of the two components to allow the inter process communication frames to be transmitted stacklessly.

wherein the software enabled functions that open and close inter process communication paths for transmitting and receiving of inter process communication frames perform:

determining if an IPC path function is a send or receive function; and

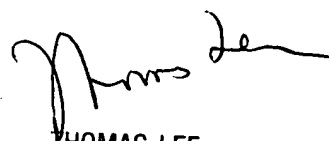
if a receive function, calling a receive IPC function.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K. Cao whose telephone number is (571) 272-3760. The examiner can normally be reached on Monday - Friday, 5:30AM - 1:00PM, and Saturday, 5:30AM – 10:30AM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Diem Cao

A handwritten signature in black ink, appearing to read 'Thomas Lee', is positioned above the printed name.

THOMAS LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100